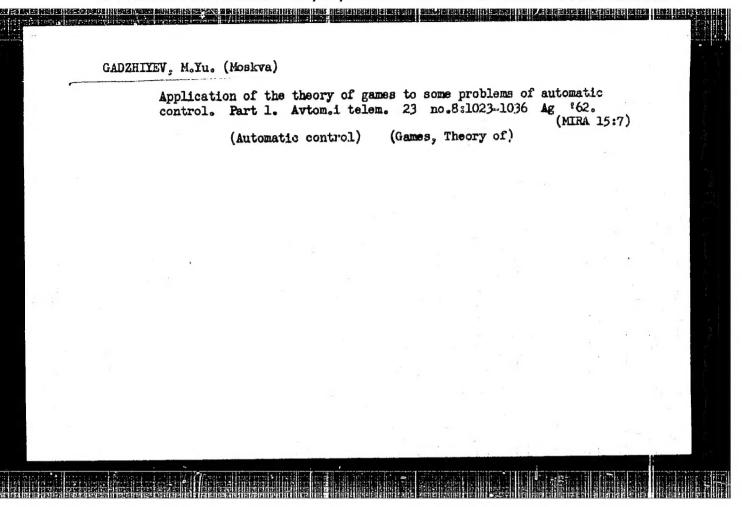
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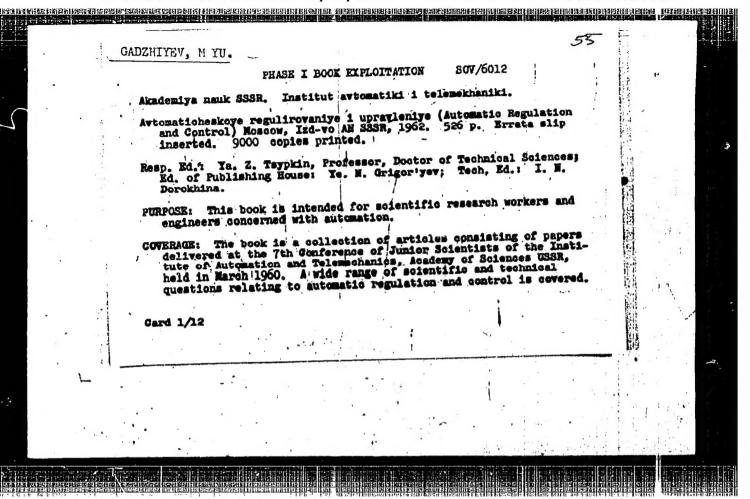
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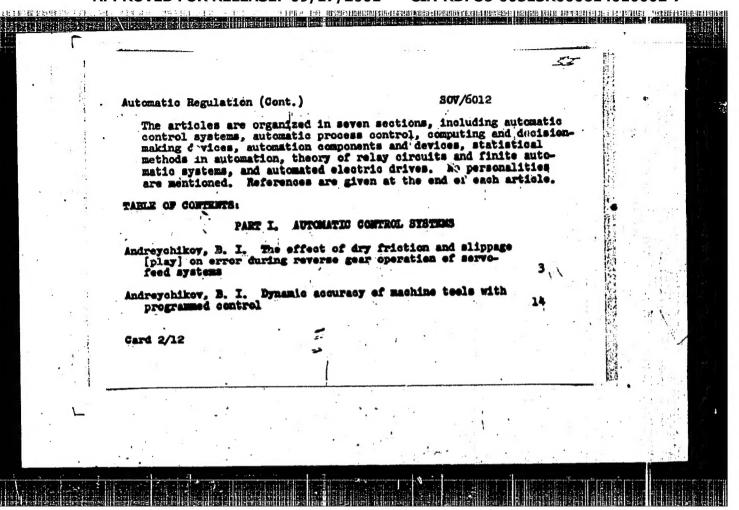
Determination of the Optimum Change in S/103/61/022/001/004/012 Carrier Frequencies of a Useful Signal and B019/B056
Noise in Detection of Problems on the Basis of the Theory of Games

From the discussion of these equations it follows that for a broad-band interference, if its spectral density agrees with the gain function up to one factor, the emission of a white noise produces a pronounced effect upon the interferences. The shift of the carrier frequency in a finite frequency range is jump-like. The study of this approximation of the games leads to the so-called finite or matrix games, whose solution methods are well known and are therefore here only outlined. Using the polynomials of S. N. Bernshteyn for the approximation of the gain function, the solution of the games studied may be reduced to the solution of the so-called "separable" games. As an example, the gain functions discussed here for broad-band interference and narrow-band interference under the assumption that the spectral interference density is a fractional-rational function, are approximated by means of Bernshteyn polynomials. The approximating polynomial in this case has the form

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S/274/63/000/002/003/019 A055/A126

AUTHOR:

Gadzhiyev, M.Yu.

TITLE:

Study of the optimum retuning of the carrier frequencies of signal and interference with the aid of the games theory

PERIODICAL:

Referativnyy zhurnal, Radiotekhnika i Elektrosvyaz, no. 2, 1963, 7 - 8, abstract 2A27 (In collection "Avtomat. regulirovaniye i upr.", M., AN SSSR, 1962, 370 - 374)

TEXT: The following problem is solved. The carrier frequencies f_2 of the signal containing useful informations and f_1 of the interference hindering the discrimination of the useful signal in a receiver can vary independently within determined limits (W_1, W_2) ; $\Delta W = W_2 - W_1$. The interference tends to reduce the difference between its carried frequency and the carrier frequency of the useful signal, whereas it is necessary to increase this difference for a better discrimination of the useful signal. The arising problem as to the determination of the best way for changing the carrier frequencies of both interference and useful signal is solved by the method of the games theory. Let us assume

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Study of the optimum retuning of the

that $S(|f|-f_1)$ is the spectral density of the interference; $G(|f|-f_2)$ is the frequency response of the receiver. The following formula is adopted as expressing the gain function:

$$\Phi (|f_1 - f_2|) = \int_{-\infty}^{\infty} s(f) \{ e[f + (f_2 - f_1)] + e[f + (f_1 - f_2)] \} df;$$

this formula coincides with the formula for the r.m.s. voltage at the receiver output when noise only is applied to its input. Let us assume also that $\xi_0(f_1)$ is the optimum mixed strategy of the interference; $\eta_0(f_2)$ is the optimum mixed strategy of the signal. For the adopted gain function

$$\bar{\Phi}(|f_1 - f_2|) = Ke^{-\gamma |f_1 - f_2|}$$

it is possible to solve the Wiener-Hopf" (Viner-Khopf) equations, well-known in the games theory, and determining the optimum mixed strategies and the price of the game y. The following result is obtained:

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Study of the optimum retuning of the

$$\mathbf{g}_{0}\left(\mathbf{f}_{1}\right) = \frac{1}{2+\gamma\left(\mathbf{W}_{2}-\mathbf{W}_{1}\right)}\left(\gamma+\left[\delta\left(\mathbf{f}_{1}-\mathbf{W}_{1}\right)+\left[\delta\left(\mathbf{f}_{1}-\mathbf{W}_{2}\right)\right]\right),\tag{1}$$

where & is the Dirac delta-function. The optimum mixed strategies have the aspect of a distribution function. To the probability density of (1) corresponds the distribution function

$$F(f_1) = c_1 1 (f_1 - W_1) + c_2 (f_1 - W_2) + c_1 1 (f_1 - W_2),$$
 (2)

where 1 is the unitary function;

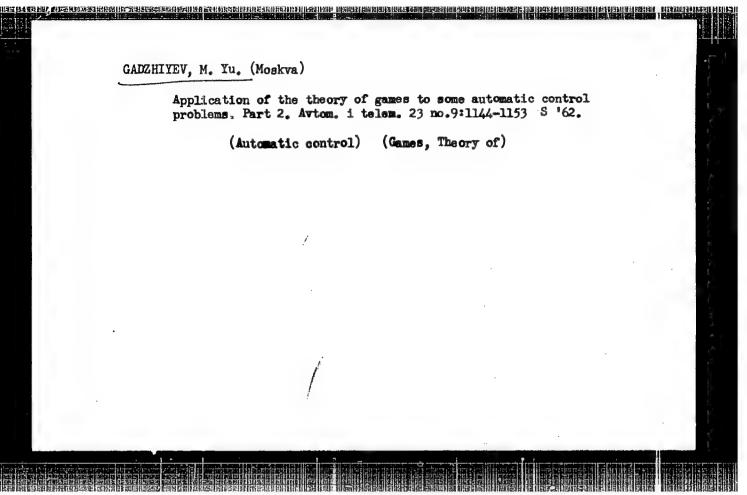
1s the unitary function;

$$2c_1 = \frac{2}{2 + \gamma (W_2 - W_1)}, \quad c_2 (W_2 - W_1) = \frac{\gamma (W_2 - W_1)}{2 + \gamma (W_2 - W_1)}. \quad (3)$$

Since parameter γ determines the width of the gain function, it follows from (3) that, when γ decreases, the probability fraction corresponding to the jumps of the distribution function (2) decreases, whereas the value of the regular distribution of the carrier frequencies over the range increases. When the product $\gamma \triangle W$ increases, the efficiency of the hindering action of the interference decreases, since the price of the game decreases. In the majority of

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USSR/Human and Animal Physiology. Blood

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Abs Jour : Ref Zhur - Diol., No 14, 1958, No 65130

Author : Gedzhivev N.A.

Inst The Azerbaydzhan Medical Institute

Title : The Change in Blood Coagulability in Alpinists in Mountainous

Areas (Preliminary Report).

Orig Pub: Sb. tr. Azerb. med. in-ta, 1956, Vyp. 2, 151-155

Abstract: The blood clotting function of 32 alpinists was studied (by

the Mas-Margo method) 1-2 days after being in an alpinist camp, during climbs and marches at altitudes of 3800 meters and higher, and after climbs. At elevations of 400 meters and above all the participants in the ascent experienced.

One insufficiency, and from 4200 meters on up epistaxis was observed in some of them. At elevations of 3500-4500 meters the clotting time of the majority of participants was prolonged by 3-5 minutes. The lowering of the partial pressure of O2 was the principal cause of the prolonged clotting time. A mountain climate also influences coagulability to

Card: 1/1 a certain extent. -- A.D. Belodorodova

GADZHIYEV, N.A., Gand Med Sci -- (diss) "Change in the hemodynamic indicators, coagulating capacity, and morp ology of peripheral blood, the way witaming balance in mountain climiers in the high mountain regions of the Caucasus."

Baku, 1958, 23 pp (Azerbaydzhan State Med Inst im N.

Narimanov) 250 copies (KL, 50-58, 128)

- 116 -

TAIROV, A.P., dots.; GADZHIYEV, N.A., ordinator.

Unusual case of chronic transverse volvulus of the stomach in the presence of a third anomalous omentum and relaxation of the left diaphragmatic cupola. Khirurgiia 34 no.12:80-83 D '58. (MIRA 12:1)

Iz fakul'tetskoy khirurgichuskoy kliniki (sav. kafedry - prof.
 A. Mendiyev) pediatricheskoge i sanitarnogo fakul'tetov Azerbaydzhanskogo gosudarstvennogo meditsinskogo instituta.
 (STOMACH, dis.

torsion in omental abnorm & diaphragmatic relaxation (Rus)) (OMENTUM, abnorm.

with gastric torsion & diaphragmatic relaxation (Rus)) (DIAPHRAGM, abnorm.

relaxation with gastric torsion & omental abnorm. (Rus))

DZHALILOV, N.M.; ASKEROV, K.A.; GADZHIYEV, N.A.; GANICHKIN, V.V.;

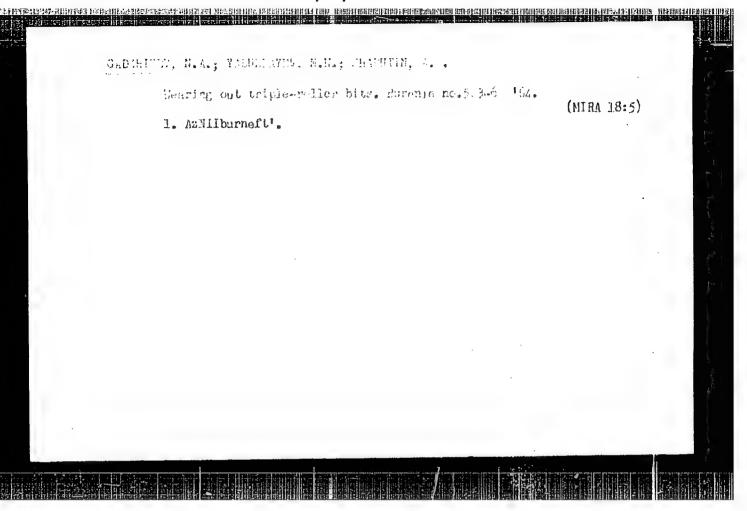
KAGRAMANOV, I.M.

Wear of tricone bits in turbodrilling in the Zyrya area. Azerb.

neft. khoz. 42 no.1:18-20 Ja '63. (MIRA 16:10)

(Apaheron Peninsula—Oil well drilling—Equipment and supplies)

(Mechanical wear)

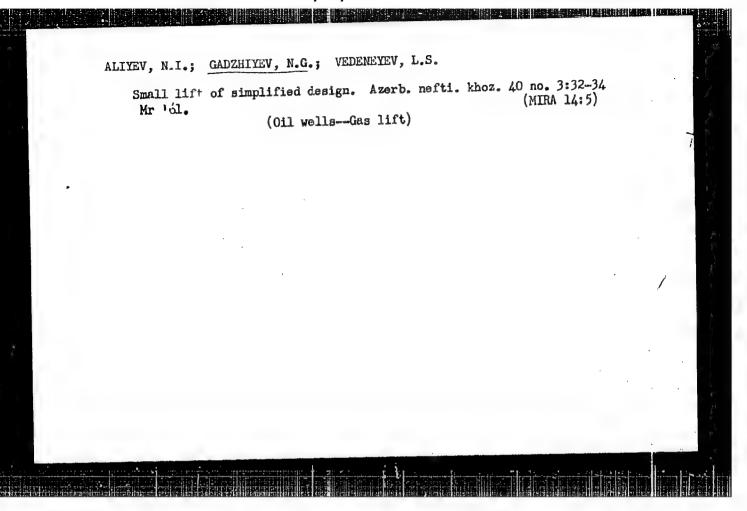


ALIYEV, Sh.N.; GADZHIYEV, N.A.; MELKUMOV, R.M.

Effect of the curvature of the hole on the capacity of a deep well pump. Mash. i neft. obor. no.12:7-9 164.

(MIRA 18:1)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut po dobyche nefti.



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ALIKHANOV, F.N.; ARUSHANOV, N.A.; AKHUNDOV, V.Yu.; ALIZADE, M.A.; AZIZBEK /, Sh.A.; EAGIROV, M.A.; VEZIROV, S.A.; VOLOBUYEV, V.R.; EEKILOV, F.M.; GADZHIYEV, N.M.; GUSEYNOV, D.M.; GUSEYNOV, I.A.; DADASHEV, K.K.; DADASHZADE, M.A.; DALIN, M.A.; ISKENDEROV, M.A.; KAZIYEV, M.A.; KARAYEV, A.I.; KASHKAY, M.S.; KEL DYSH, M.V.; KERIMOV, A.G.; LEMBERANSKIY, A.D.; MAMEDOV, G.K.; MEKHTIYEV, M.R.; MIRZOYEV, S.A.; NAGIYEV, M.F.; NESRULLAYEV, N.I.; ORUDZHEV, A.K.; RADZHALOV, R.A.; RUDNEV, K.N.; SADYKHOV, R.N.; SEMENOV, N.N.; TOFCTIYEV, A.V.; TOPCHIBASHEV, M.A.; TAIROVA, T.A.; KHALILOV, Z.I.; FFENDIYEV, G.Kh.; SHUFYUROVA, Z.Z.

IUsif Geidarovich Mamedaliev; obituary. Dokl. AN Azerb. SSR 17 (MIRA 15:2) (Mamedaliev, Iusif Geidarovich, 1905-1961)

ALIKHANOV, E.N.; ARUSHANOV, N.A.; AKHUNDOV, V.Yu.: ALIZADE, M.A.; AZIZBEKOV, Sh.A.; BAGIROV, M.A.; VEZIROV, S.A.; VOLOBUYEV, V.R.; VEKILOV, F.M.; GADZHIYEV, N.M.; GUSEYNOV, D.M.; GUSEYNOV, I.A.; DADASHEV, K.K.; DADASHZADE, M.A.; DALIN, M.A.; ISKENDEROV, M.A.; KAZIYEV, M.A.; KARAYEV, A.I.; KASHKAY, M.S.; KEL'DYSH, M.V.; KERIMOV, A.G.; LEMBERANSKIY, A.D.; MAMEDOV, G.K.; MEKHTIYEV, M.R.; MIRZOYEV, S.A.; NAGIYEV, M.F.; NASRULLAYEV, N.I.; OGUDZHEV, A.K.; RADZHABOV, R.A.; RUDNEV, K.N.; SADYKHOV, R.N.; SEMENOV, N.N.; TOPCHIYEV, A.V.; TOPCHIBASHEV, M.A.; TAIROVA, T.A.; KHALILOV, Z.I.; EFENDIYEV, G.Kh.; SHUKYUROVA, Z.Z.

IUsif Geidarovich Mamedaliev. Azerb.khim.zhur. no.6:5-6 '61. (MIRA 15:5) (Mamedaliev, IUsif Geidarovich, 1905-1961)

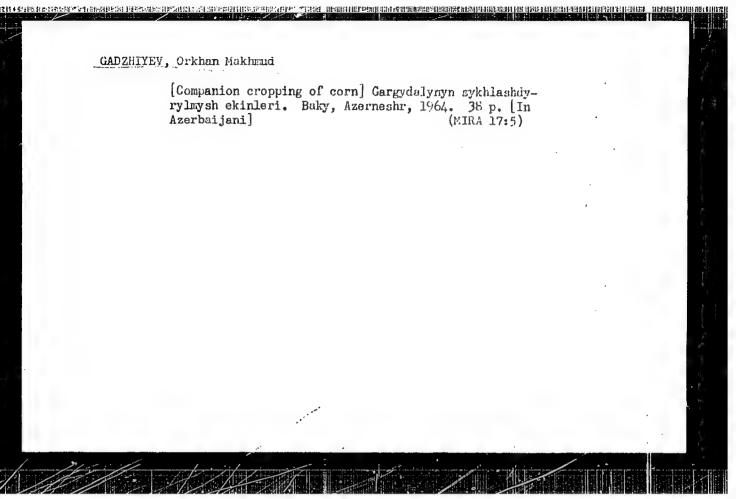
GADZHIYEV, N.N.

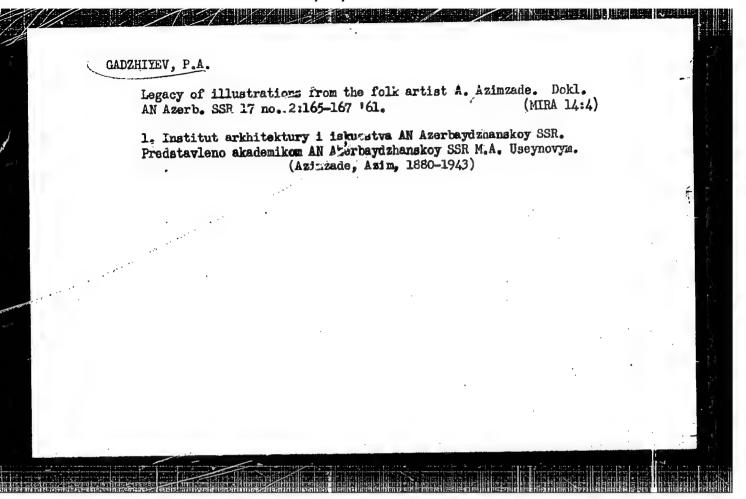
Two cases of tuberculomas of the liver. Probl. tub. no.8: 102-104:62. (MIRA 16:9)

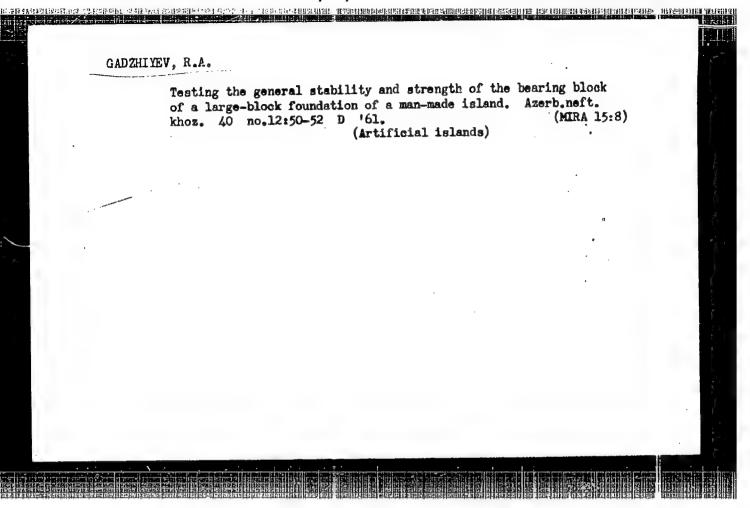
1. Iz kliniki fakul tetskoy khirurgii (zav. - zasluzhennyy deyatel nauki Dagestanskoy ASSR prof. R.P.Askerkhanov) Dagestanskogo meditsinskogo instituta.

(LIVER-TURERCULOSIS)

CADZHIYEV, O. M., Cand Agric Sci (diss) -- "The effect of dense sowing of corn on the harvest and quality of fodder under irrigated conditions in the western part of Azerbaydzhan". Kirovabad, 1959. 17 pp (Min Agric Azerb SSR, Azerb Acad Agric Sci, Sci Res Inst of Agric), 150 copies (KL, No 10, 1960, 134)





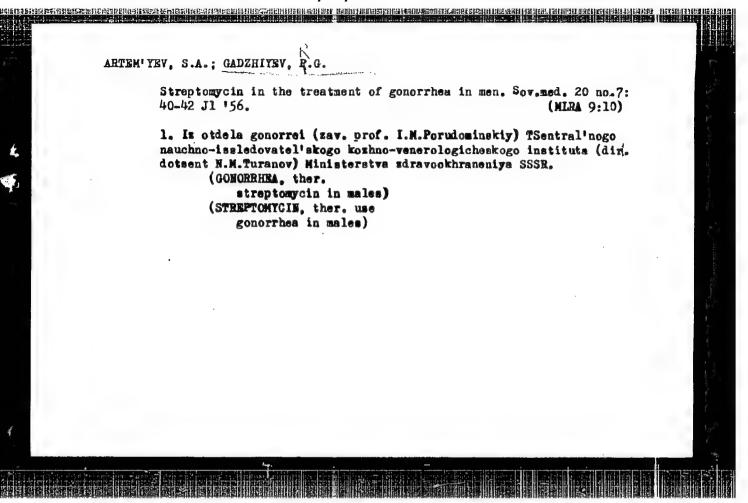


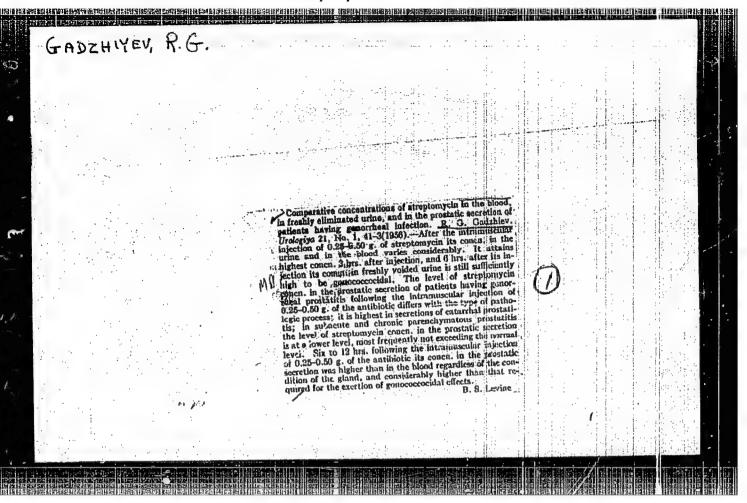
GAIRHIYEV, R.G., klinicheskiy ordinator.

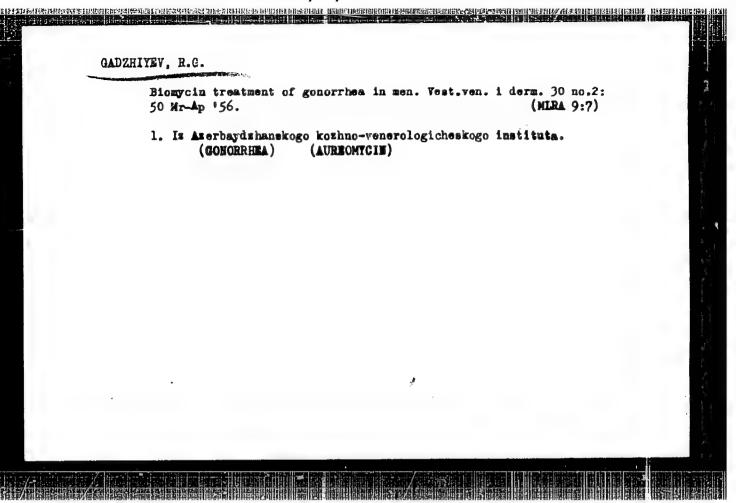
Bffect of streptomycin on Gonococci. Vest.ven.i derm. uc.5:32-35
S-0 '53.

1. Iz otdela gonorrei (savednyushchiy - professor I.M.Porudominskiy)
i otdela mikrobiologii (savednyushchiy - professor N.M.Ovchinnikov)
Tsentral'nogo koshno-venerologicheskogo instituta (direktor - kandikat
meditsinskikh nauk W.M.Turanov) Ministerstva sdravockhraneniya SSSR,

(Streptomycin) (Gonorrhea)







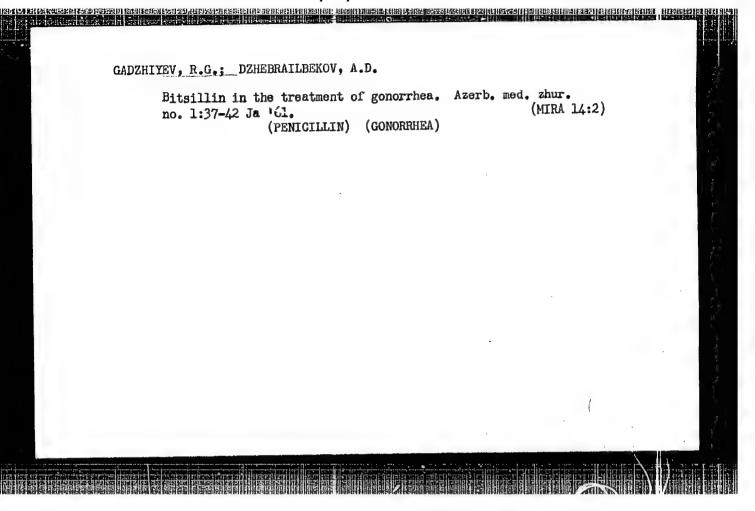
POHUDOMINSKIY, I.M.; ARTEM'YEV, S.A.; LUR'YE, S.S.; NYUNIKOYA, O.I.; GADZHIYEV, R.G.; DZHEHRAILBEKOV, A.D.

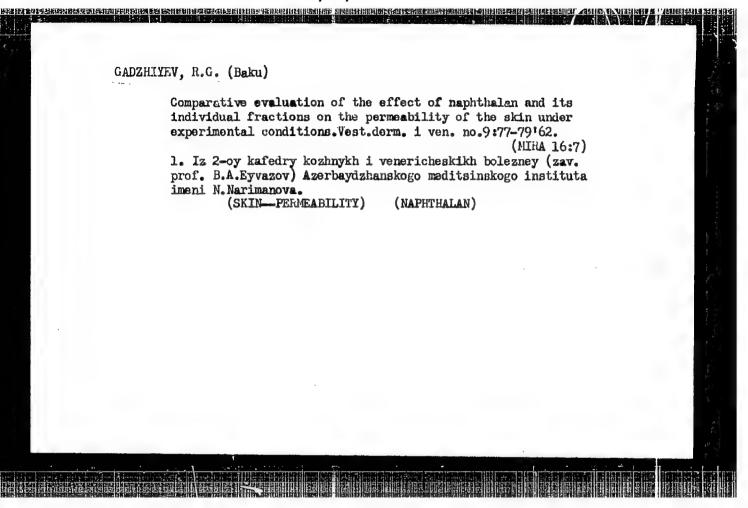
Bicillin-1 and bicillin-d in the therapy of gonorrhea. Vest.derm. i ven. 34 no.8:62-66 60. (MIRA 13:11)

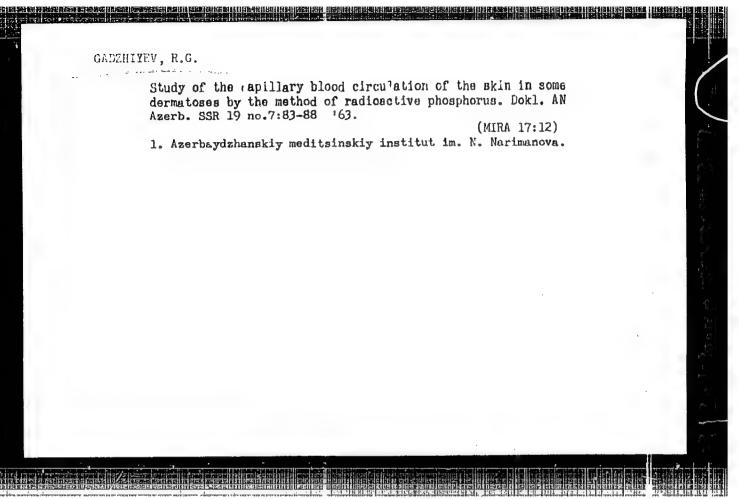
l. Iz TSentral'nogo "auchno-issledovatel'skogo kozhno-venerologicheskogo institute (dir. - kand.med.nauk N.M. Turanov) Ministerstva zdravookhraneniya RSFSR i 2-y kafedry kozhnykh i venericheskikh bolezney (zav. - masluzhennyy deyatel' nauki prof.

B.A. Eyvazov) Azerbaydzhanskogo meditsinskogo instituta.

(GONORRHEA) (PENICILLIN)





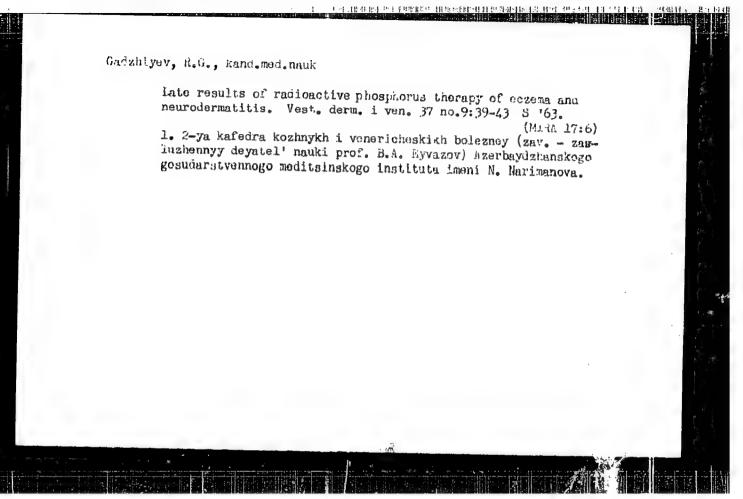


GADZHIYEV, R.G.

Basis for treating certain dermatoses with radioactive phosphorus (F 32). Vest. derm. i ven. 37 no.5:35-40 My '63.

(MIRA 17:5)

1. Vtoraya kafedra kozhnykh i venericheskikh belezney (zav. - prof. B.A. Eyvazov) Azerbaydzhanskogo meditsinskogo instituta imeni N. Narimanova i otdeleniye patologicheskoy morfologii (zav.-prof. L.V. Fayntanteyn) TSentral'nogo nauchno-issledovatel'skogo instituta meditsinskoy radiologii.



GADZHIYEV, R.G., kand.med.nauk

Study of the physiological regeneration of the epidermis and its

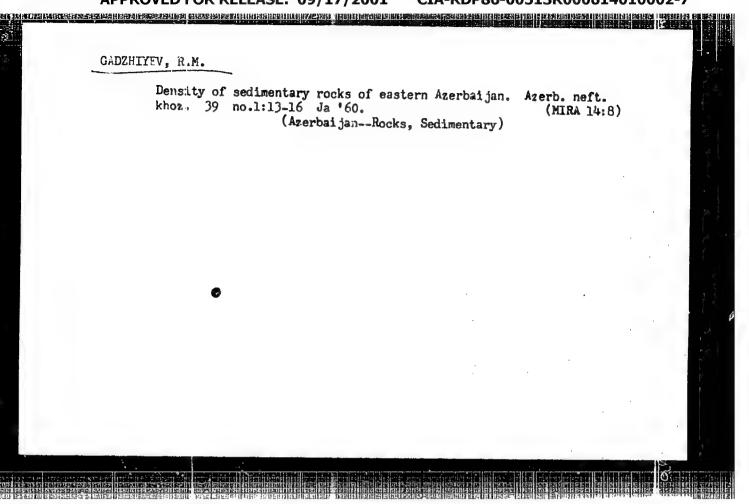
Study of the physiological regeneration of the epidermis and test appendages by the method of histoautoradiography. Vest. derm. 1 ven. 38 no.9:25-30 S *64. (MIRA 18:4)

l. Kafedra kozhnykh i venericheskikh bolezney (zav. - prof. B.A. Eyvazov) Azerbaydzhanskogo meditsinskogo instituta imeni Narimarova i laboratoriya patologicheskoy anatomii (zav. - prof. L.V.Funsh'.yn) TSentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya SSSR, Baku.

GADZHIYEV, R.G., kand. med. nauk

Late results of local irradiation by radicactive phosphorus in capillary angloma of the skin. Azerb. med. zhur. 41 no.22 52-59 F 164 (MIRA 18:1)

1. Tz 2-y kafedry ozhnykh i venericheskikh bolezney Azerbay-dzhanskogo gosudarstvennogo meditsinskogo instituta imeni N. Narimanova.



S/035/62/000/008/079/090 A001/A101

AUTHORS:

Gadzhiyev, R. M., Gasanov, I. S., Shapirovskiy, N. I.

TITLE:

New techniques and methods of marine gravimetric investigations

PERIODICAL:

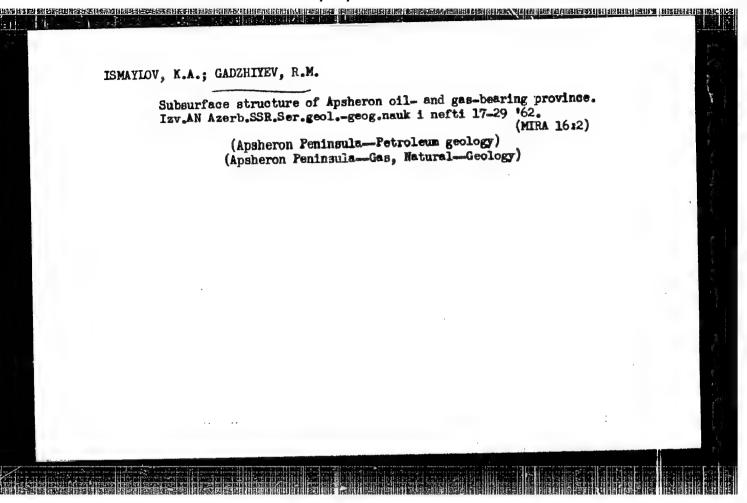
Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 25, abstract 8G218 ("Novosti neft. i gaz. tekhn. Geologiya", 1961, no. 4,

30 - 31)

TEXT: The method of marine gravimetric observations without anchoring the vessel is described. This method became possible as a result of time reduction necessary for measurements at the expense of eliminating interactions in electric circuits of the AFHE (DGPYe) gravimeter; this was achieved by separate feeding the circuits of thermostat and reading device. When the ship moves from one observational point to the other, the gravimeter is not set on the deck, but is suspended to a crown beam mounted on the deck in the stern part of the ship. Lifting and sinking operations are conducted by one technician from the panel board. A small number of reference-knot points are established, fixed reliably beacons on the sea. Drifting of gravimeter zero is taken into account by observations at the reference-knot points. The employment of the anchorless method of

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New techniques observations m During one wor rms error of o	makes it poss rking day, ob	ible to condu	ot measu 15 - 20	rements) points mgal (at	at great sea can be perfor the density	depths. med with a of network	~
being 1 point	per 9 km /-		•		Yu. Yurov	**************************************	-
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SHAPIROVSKIY, Natan Il³ich; GADZHIYEV, R.M.; DZHAFAROV, Kh.D., red.;
RASHEVSKAYA, T.A., red. izd-va; NASIROV, N., tekhn. red.

[Geophysical prospecting at sea]Morskaia geofizicheskaia razvedka. Baku, Azerbaidzhanskoe gos.izd-vo, 1962. 154 p.

(MIRA 15:9)

(Caspian Sea-Prospecting-Geophysical methods)

ACCESSION NR: AR4008228

s/0169/63/000/011/D023/D023

SOURCE: RZh. Geofizika, Abs. 11D134

AUTHOR: Tereshko, D. L.; Gadzhiyev, R. M.; Gasanov, I. S.

TITLE: Marine gravimetric operations

CITED SOURCE: Sb. Geofiz. izuch. geol. stroyeniya neftegazonosn. obl. Azerbaydzhana, Baku, Azerb. gos. izd-vo, 1963, 58-64

TOPIC TAGS: gravimetry, marine gravimetry, marine gravimetry history, pendulum survey, Apsheron peninsula gravimetry, geophysical instrument, marine gravimetric survey

TRANSLATION: The authors describe the history of marine gravimetry, starting with the pendulum survey of 1930 of the route from Baku to the Kura River delta. Prior to 1954, this work was basically of an experimental character. Its aim was to test and master Soviet equipment and to develop techniques of marine surveying using this apparatus; at the same time, the goal was to have the aquatorial around the Apsheron Peninsula covered by an area survey with an average density of 1 point Card 1/2

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ACCESSION NR: AR4008228

per 10-12 km2. A small bottom gravimeter began to be used in 1956. An anchorless observational technique has been in use since 1958. By the end of 1959, gravimetric surveys covered the entire aquatorial of the Baku Archipelago down to a depth of 100-200 m to the east and up to the national boundary on the south for an area of about 9 thousand km2. The grid density is 1 point per 8-10 km2 on the average; the mean square error per measurement is from ± 0.3 to ± 0.7 mgsl. The latest surveys were used to construct a map of Bouguer anomalies with isolines over 2 mgal, constructed in conformance to the map of the adjacent land. Bottom gravimetry operations continued in 1960 in the southern part of the Apsheron Peninsula, between Makarov Bank and Neftyany*ye Kamni. In the future, the intention is to survey the entire Apsheron shelf, as well as to continue the survey to the south of the Apsheron Peninsula all the way to the Dagestan border. I. Yesakov.

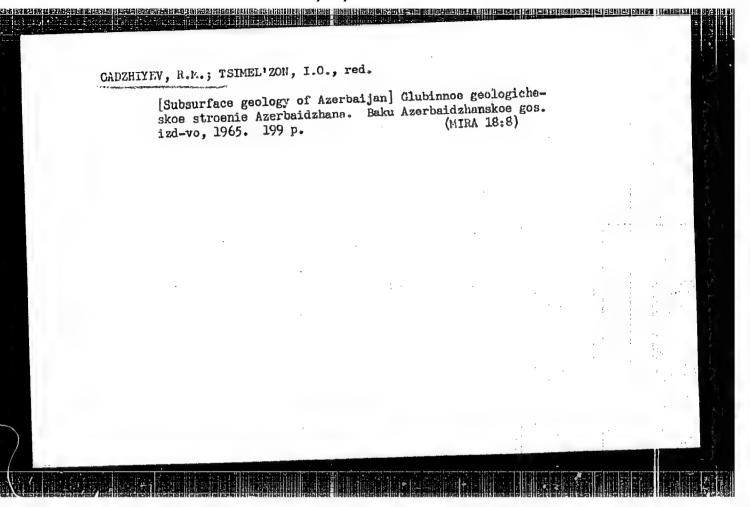
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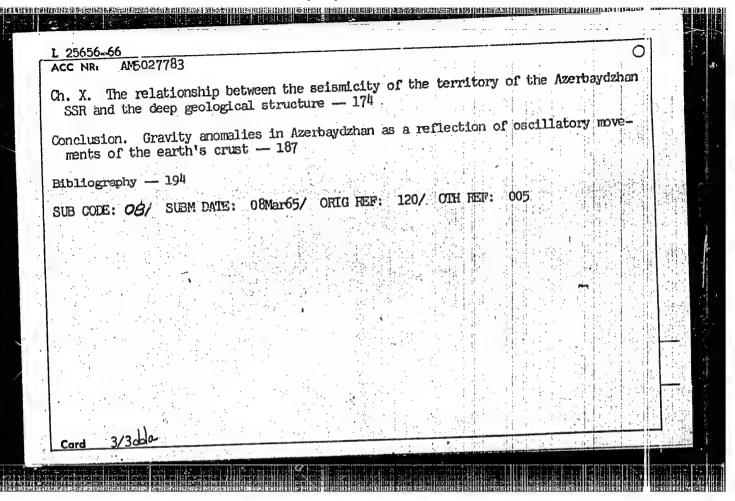
Card 2/2

CIA-RDP86-00513R000614010002-7" APPROVED FOR RELEASE: 09/17/2001

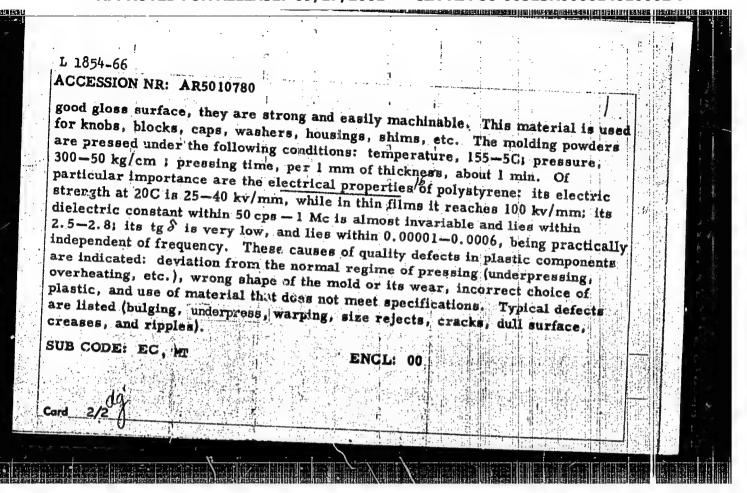


	25656-66 = (1) (3) GN Monograph ACC NR. AM502 783
	Deep geological structure of Azerbaydzhan (Glubinnoye geologicheskoye stroyeniye Azerbaydzhana) Baku, Azerbaydzh. gos. izd-vo, 1965. 199 p. illus., biblio. 1500
	copies printed. TOPIC TAGS: geographic survey, geologic exploration, geomagnetic disturbances,
	geomorphology, gravitation and characteristics
	PURPOSE AND COVERACE: The book describes geological and geographical characteristics of the earth's crust in the Azerbaydzhan and Southern Caspian region. The description of the deep-seated geological structure includes an interpretation of regional tion of the deep-seated geological structure includes an interpretation of the geotectotion of the geotectotion of the geotectotic fields. The history of the geotectotic fields is revised.
4	anomalies of the gravitation part of the Caucasian geosyncials and nic development of the Azerbaydzhan part of the Caucasian geologists, and nic development of the Azerbaydzhan part of the Caucasian geologists, and nic development of the Azerbaydzhan part of the Caucasian geosyncials in the caucasian geosyncials and nic development of the Azerbaydzhan part of the Caucasian geosyncials in the caucasian geosyncial geos
	on the basis of new data. The book is intended for engineers, geologists, interested geophysicists, also for scientific research workers and graduate students interested geophysicists, also for scientific research workers and graduate students interested geophysicists, also for scientific research workers and graduate students interested geophysicists, also for scientific research workers and graduate students interested geophysicists, also for scientific research workers and graduate students interested geophysicists, also for scientific research workers and graduate students interested geophysicists, also for scientific research workers and graduate students interested geophysicists, also for scientific research workers and graduate students interested geophysicists, also for scientific research workers and graduate students interested geophysicists, also for scientific research workers and graduate students interested geophysicists, also for scientific research workers and graduate students interested geophysicists, also for scientific research workers and graduate students interested geophysicists, also for scientific research workers and graduate students interested geophysicists, also for scientific research workers and graduate students interested geophysicists.
	are 125 references, and boules.
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	ACC NR: AM5027783
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	the Little Caucasus — 157
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. 1 to 1907 DESCRIPTION (1907)	
L 1854-66 EPA(s)-2/EWT(m)/EPF(c)/EWP(j) RI ACCESSION NR: AR5010780	M
SOURCE: Ref. zh. Radiotekhnika i elektrosvyazi. AUTHOR: Gadzhiyev, R. V. 44,55	74/65/000/003/B102/B103 06.002:621.315.61 Sv. t., Abs. 3B652
TITLE: Experience of the Baku Radio Manufactur	ing Plant in the
elektrotekh, i priborostroit, prometti kanader.	ialy v mashings
TRANSLATION: The materials for radio component high breakdown voltage, low tgo, and high g. Pol	its must have high insulation.
K-18-2 molding powders, Monolit-7, polyethylene, vin insulating properties, Card 1/2	of chloride, DTUP polystyrene, la components have high
Card 2/2 ()	
APPROVED FOR RELEASE: 09/17/2001	*CIA-RDP86-00513R000614010002-7



CADZHIYEV, D.

AUTHOR:

Gadzhiyev, S.

2-5-5/11

TETLE:

From the History of the Local Organs of State Statistics in the First Years of Soviet Power (Iz istorii organizatsii mestnykh organov gosudarstvennoy statistiki v pervyje god; sovetskoy

vlasti)

PERIODICAL:

Vestnik Statistiki, 1957, # 5, p 52-60 (USOR)

ABSTRACT:

The author refers to the very beginning of Soviet Statistics from October 1917 - February 1918. During this period the Soviets had to organize their statistical staff in guberniya, uyezd and volost' (administrative districts in pre-revolutionary Russia). As far as they found the personnel trustworthy, they took over partly the still existing tsarist statistical institutions and tried besides to build up as fast as possible their own communist statistical institutions.

In Moscow, Samara, Petrograd, Yaroslavl', Nizhniy Novgorod, Kazan', Saratov and Perm courses were organized to educate new

Soviet statisticians.

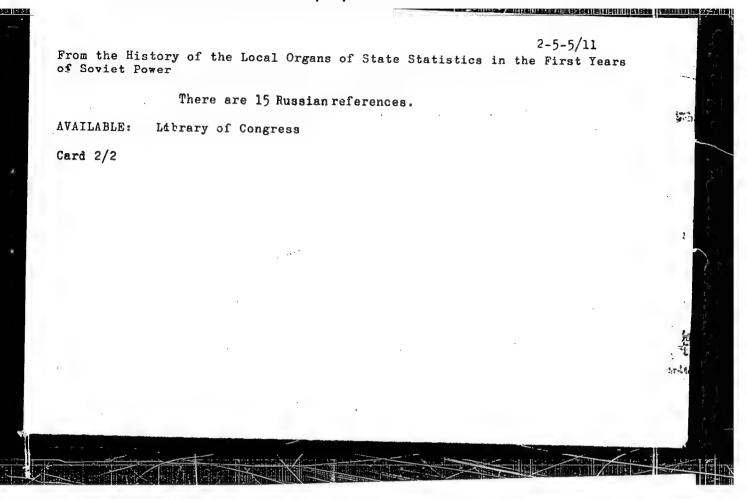
The first development period of Soviet statistics was terminated on 17th July 1923, when the TsIK SSSR brought forward a decision to establish a Central Statistic Administration

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attached to the Soviet Narodnykh Komissarov WSSR.

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614010002-7



sov/56-35-5-35/56

21(8) AUTHORS:

Mukhtarov, A. I., Gadzhiyev, S. A.

TITLE:

The Radiative Disintegration of the n-Meson and the Considera-

tion of Non-Conservation of Parity (Radiatsionnyy raspad

 $\frac{+}{\pi}$ -mezona i uchet nesokhraneniya chetnosti)

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958,

Vol 35, Nr 5, pp 1283-1285 (USSR)

ABSTRACT:

The longitudinal polarization of particles is a consequence

of the non-conservation of parity in the presence of weak

interactions. The investigation of radiation decay

 $\pi^{+} \rightarrow \mu^{+} + \nu + \gamma$ shows that parity can also not be conserved in mixed interactions. For this purpose, the decay equation for the four-component theory of the neutrino is written

down. The longitudinal polarization of the muon and the neutrino

are accounted for by introducing a projecting operator of

the form \overrightarrow{o} \overrightarrow{p}/p . The eigenvalues of this parameter $(s_{\mu}$ and $s_{\nu})$

then describe the longitudinal polarization of the muon and the neutrino. Next, an expression for the decay probability

Card 1/3

> of a resting pion will be derived. Three terms of this expression are due to the non-conservation of parity, i.e. to longitudinal polarization of the muon, neutrino and γ-quantum. In order to facilitate analysis of the expression for the disintegration probability, the pulse of the muon is assumed as being very small. The pulses of the y-quantum are assumed as being anti-parallel. The analysis of the decay probability leads to the following results: a) If the spin of the muon is contrary to the direction of motion of the γ -quantum, the decay probability differs from "O" only if during decay a neutrino is emitted and if the emitted y-quantum is polarized circularly to the right; b) If the spin of the muon points in the direction of motion of the y-quantum, a decay of the pion is feasible under emission of one antineutrino and one γ -quantum with left circular polarization. If the pion decays under emission of a neutrino, its spin must then form an angle of 180° with the direction of the \gamma-quantum (if the pulse of the muon is small). In case of disintegration of the antineutrino this angle must be almost "O". There are 2 references, 1 of which is Soviet.

Card 2/3

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000614010002-7 在花屋建设在社会会大型社会大型的过程大型的大型大型大型工程的设计,这样可以是有限的工程,但是是对自己的证据的证据的不能是解析的的现在分词,但是不由的证明的证明,

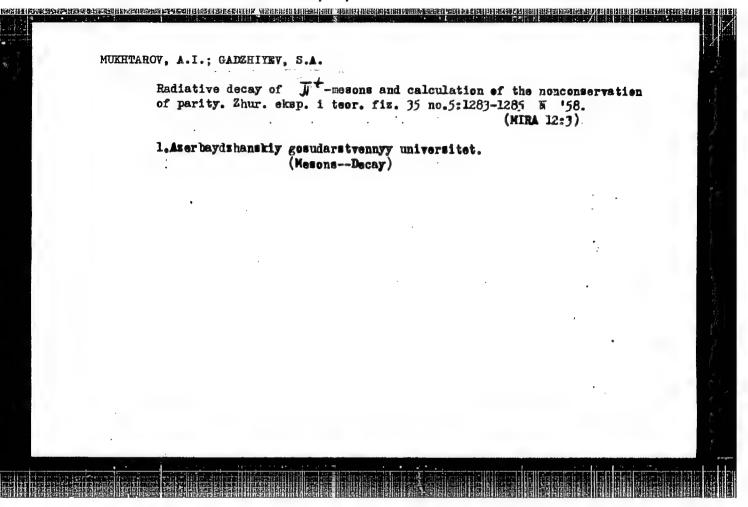
sov/56-35-5-35/56 The Radiative Disintegration of the m-Meson and the Consideration of Non-Conservation of Parity

ASSOCIATION: Azerbaydzhanskiy gosudarstvennyy universitet (Azerbaydzhan State University)

June 13, 1958 SUBMITTED:

Card 3/3

CIA-RDP86-00513R000614010002-7" APPROVED FOR RELEASE: 09/17/2001



21(8)

AUTHORS:

Kerimov, B. K., Mukhtarov, A. I., SOV/56-37-2-47/56

Gadzhiyev, S. A.

TITLE:

Polarization Effects in the Decay no e + e + + y

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959,

Vol 37, Nr 2(8), pp 575-576 (USSR)

ABSTRACT:

Recently (Refs 1,2) cases of a charge exchange scattering of

negative pions on hydrogen $(\pi^- + p \rightarrow \pi^0 + n)$ with a subsequent decay of the neutral pion according to the Dalitts scheme into an electron-positron pair and into a y-quantum were recorded. In the present paper the results of a calculation of the decay of the neutral pion according to the above scheme taking into account the spin states (of the longitudinal polarizations) of the electron-positron pair produced and of the y-quantum are presented. The Hamiltonian of the direct interaction for the process mentioned above takes the form $H_{int} = eg\psi_{\pi^e} \left\{ \psi_{e^-}^+ O_i D^{-1} (\overrightarrow{\alpha} \overrightarrow{A}^+) \psi_{e^+} + (\psi_{e^-}^+ \overrightarrow{\alpha} \overrightarrow{A}^+ D^{-1}) O_i \psi_{e^+} \right\}$. In this equation ψ_{π^e} , $\psi_{e^+}^+$, ψ_{e^+} and \overrightarrow{A}^+ denote the wave funct-

Card 1/3

ions of the π^{0} meson, the electron, positron, and of the

Polarization Effects in the Decay $\pi^0 \rightarrow e^- + e^{\frac{1}{7}} + \gamma$ SOV/56-37-2-47/56

 γ -quantum. D represents the Dirac operator, $\vec{\alpha} = \vec{\rho} \vec{\delta}$ the Dirac matrices, $0_i = 0_2$ holding, if the π^0 meson is pseudoscalar, and $0_i = 0_3$, if it is a scalar particle. In the sequel an expression for the probability of the decay in question $\pi^0 \rightarrow e^- + e^+ + \gamma$ is derived

 $dW(s_{,s_{+},1,0}) = \frac{e^{2}g^{2}}{\sum_{k=0}^{2}c_{4}(2\pi)^{3}} \frac{k_{+}^{2}d\Omega_{+}(dk_{-})}{k_{0\pi}k_{+}K_{-}(k_{0\pi}-K_{-})+k_{0\pi}K_{-}k_{-}K_{+}\cos\theta}.$

 $\begin{array}{c} \underbrace{\bigoplus_{1}+s_s_\Phi_{2}+ls_\Phi_{3}+ls_\Phi_{4}}_{3} \cdot \text{ The rether lengthy expressions} \\ \text{occurring in this equation for } \Phi_{1},\Phi_{2},\Phi_{3},\text{ and } \Phi_{4} \text{ are written down explicitly. The formula for } dW(s_,s_,l,\theta) \text{ gives the angular dependence and the energy dependence of the degree of longitudinal polarization and of the correlations between the polarizations (the terms <math>s$'s s_,ls_,ls_) in the decay

 $n^0 \rightarrow e^- + e^+ + \gamma$. This may be of use in the collection of data on the properties of the neutral pion. According to the

Card 2/3

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000614010002-7"

Polarization Effects in the Decay $\pi^0 \rightarrow e^- + e^+ + \gamma$ SOV/56-37-2-47/56

formulas derived herein the decay probability in $\pi^0 \rightarrow e^- + e^+ + \gamma$ for the extreme relativistic decay electrons and positrons (if k_- , $k_+ \gg k_0$ and $\Phi_1 = \Phi_2$, $\Phi_3 = \Phi_4$ is true) differ from zero only if the electrons and the positrons of the pairs exhibit either a left or right polarization. The authors express their gratitude to A. A. Sokolov for the constant interest shown in this work. There are 5 references, 2 of which are Soviet.

ASSOCIATION:

Moskovskiy gosudarstvennyy universitet (Moscow State Uni-

versity)

SUBMITTED ::

May 16, 1959

Card 3/3

GADZHIYEV, S.A.; MUKHTAROV, A.I.

Internal bremsstrahlung of a pt-meson. Izv.vyc.ucheb.zav.; fiz.
no.3:195-107 '60. (MIRA 13:7)

l. Azerbaydzhanskiy gosuniversitet im. S.M. Kirova.
(Bremsstrahlung) (Mesons)

\$/139/60/000/03/035/045 Gadzhiyev, S.A. and Mukhtarov, A.I. **AUTHORS:** On the Disintegration of the μ_{\perp}^{+} TITLE: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, PERIODICAL: 1960, No 3, pp 195 - 197 (USSR) The present paper is concerned with the process ABSTRACT: $\mu \rightarrow e + \sqrt{+ v} + \gamma$. It is well known that on the two-component theory $s_i = -1/2$ for the neutrino and $s_{y}^{-} = +1$ for the antineutrino. However, on the 4-component theory both the neutrino and the anti $s = \pm 1 \ (s_{v,v} = \pm 1)$. It is shown neutrino have that on the two-component theory the probability of the above mode of disintegration of the µ-meson is identically zem(Eq 5). The two-component theory does not allow the above process through the scalar, pseudo-scalar and tensor variants of the interaction. Thus, an experimental confirmation of the fact that this mode is forbidden would be an additional confirmation both of the two-component theory of the neutrino and Card1/2

S/139/60/000/03/035/045 E032/E314 meson

On the Disintegration of the μ_{\perp}^{+}

itegration of the $\mu_{oldsymbol{\perp}}$ and the universal int

and the universal interaction theory of Feynman and Gell-Mann (Ref 3). In the case of the VA variants of the interaction, the probability of disintegration is found to be proportional to $1-s_{\sqrt[N]{3}}$ and is therefore finite on the two-component theory of the

neutrino; the latter point will be investigated further in a future paper. Acknowledgments are made to Professor A.A. Sokolov and B.K. Kerimov for valuable

advice and discussions.

There are 9 references, 4 of which are Soviet and 5 English.

ASSOCIATION: Azerbaydzhanskiy gosuniversitet imeni S.M. Kirova

(Azerbaydzhan State University imeni S.M. Kirov)

SUBMITTED: May 21, 1959

Card 2/2

MUKHTAROV, A.I.; EYLANBEKOV, R.G.; GADZHIYEV, S.A.

Radiative decay of the ——megon, Izv. vys. ucheb. zav.; fiz. n.6:142-146

(MIRA 14:3)

1. Azerbaydzhanskiy gosuniversitet imeni S. M. Kipova.

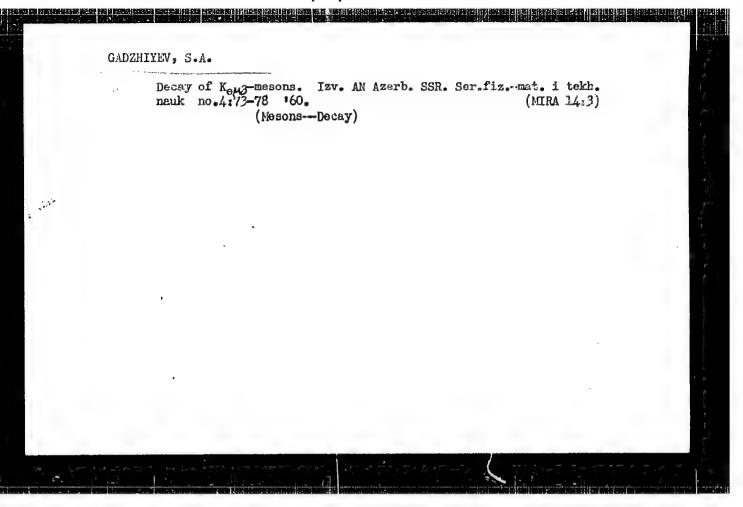
(Megons—Decay)

MUKHTAROV, A.I.; FILANEEKOV, R.G.; GAIZHIYEV, S.A.

Radiation decay of a charge T-meson. Dokl.AN Azerb.SSR 16 no.10:
935-940 '60.

1. Institut fiziki AN AzerbSSR. Predstavleno Akademikom AN AzerbSSR
Z.I. Khalilovym.

(Mesons--Decay)



30400

\$/058/61/000/009/007/050 A001/A101

24.6700

AUTHORS:

Mukhtarov, A.I., Eilanbekov, R.G., Gadzhiyev, S.A.

TITLE:

On the radiative decay of charged II -mesons

PERIODICAL: Referativnyy zhurnal, Fizika, no. 9, 1961, 37, abstract 9B126 ("Dokl AN AzerbSSR", 1960, v. 16, no. 10, 935-940, Azerb, summary)

The authors investigated angular and energy distributions at radiative decays $\mathcal{T} \longrightarrow \mu + \nu + \gamma$ and $\mathcal{T} \longrightarrow e + \nu + \gamma$ for the scalar and pseudoscalar variants of direct interaction with allowance for longitudinal polarization of the particles and anomalous magnetic moment of μ -meson (electron). It is shown that contribution in decay probability of the terms caused by the anomalous magnetic moments of the electron and μ -meson, amounts to \approx 0.1%. In the non-relativistic approximation relative to the μ -meson the total probability of a radiative $\mathcal{T} \longrightarrow \mathcal{L}$ decay does not depend on the longitudinal polarisation of the \mathcal{L} -meson; in the case of a radiative $\mathcal{T} \longrightarrow \mathcal{E}$ decay, high-energy electrons must be polarized along their momenta and positrons - in the opposite sense. The authors present the graphs of energy spectrum of electrons and angular distribu-

Card 1/2

30400

On the radiative decay of charged II -mesons

8/058/61/000/009/007/050 A001/A101

tion of decay photons. They note that if in the formulae derived by them summing is carried out by polarization states of the electron (μ -meson) and photon and anomalous magnetic moment is neglected, the result of Vaks and Foffe (RZhFiz, 1959, no. 7, 14829) is obtained.

B. Kerimov

[Abstracter's note: Complete translation]

Card 2/2

GADZHIYEV, S. A., CAND PHYS-MATH SCI, "POLARIZATION EFFECTS IN THE DECAY OF JE- AND K- MESONS." BAKU, PUBLISHING HOUSE OF ACAD SCI AZSSR, 1961. (AZERBAYDZHAN STATE UNIV IMENI S. M. KIROV. AZERBAYDZHAN STATE PED INST IMENI V. I. LENIN. INST OF PHYS. ACAD SCI AZSSR). (KL-DV, 11-61, 208).

-8-

33659 8/058/61/000/012/012/083 A058/A101

24.6610

AUTHOR:

Gadzhiyev, S.A.

TITLE:

Concerning Kem3 decay

PERIODICAL:

Referativnyy zhurnal. Fizika, no. 12, 1961, 43, abstract 12A507 (Izv. AN AzerbSSR. Ser. fiz.-matem. i tekhn. n., 1960, no. 4, 73-

78, Azerb. summary)

TEXT: There is derived a general expression for the probability of Ku3 and $K_{\rm e3}$ decay taking into account longitudinal polarization of the muon and electron for the V + A and S + P variants of weak interaction. The energy spectra of the muon, electron and neutrino are also given. The degree of longitudinal polarization of the muon and electron is calculated as a function of muon and pion energy. A full vector variant taking into account Ulenbek-Konopinskiy interaction is then examined. The general probability expression, the energy spectrum and the degree of longitudinal polarization of the muon are expressed through angular and spin correlations between the muon and the neutrino. It is demonstrated that muons ejected at a 0° and 180° angle relative to the direction of emergence of the neutrino are polarized longitudinally almost completely.

[Abstracter's note: Complete translation]
Card 1/1

B. Kerimov

5/056/62/043/004/022/061 B102/B180

AUTHORS:

Gadzhiyev, S. A., Mukhturov, A. I.

Polarization effects in radiative decay of pions

TITLE:

Zhurnal eksperimental noy i teoreticheskoy fiziki, v. 45,

nc. 4(10), 1962, 1275 - 1280 PERICUICAL:

TEXT: The radiative decay of charged pions according to the mode The (m) + v + p is investigated for the V+A variants of direct weak interaction, taking account of the longitudinal spin polarization of the fermaction, taking account of the longitudinal spin polarization of the fermions and formula produced. The pion decay graph shown in Fig. 1 a has inneady been investigated by the authors (e. g. ZhETF, 35, 1283, 1958) and it has been shown that a and b do not interfer for more probability. Therefore only b is here considered and the results compared with those for a formula probability. For graph b the pion decay probability those for a.

 $e^3a^3g^2A^{3k}o^n$ (d^3k) (d^3k) $(s, -l\lambda)^2$ $\{1-\beta\cos\theta\cos\theta_1-\frac{(d^3k)^3}{(d^3k)^3}\}$ (3) is $dW = \frac{1}{(2\pi)^3 h^3 c}$ $-ss_{\bullet}(\beta - \cos\theta \cos\theta_{1}) + ls_{\bullet}(\cos\theta_{1} - \cos\theta) +$ + $ls(\cos\theta - \beta\cos\theta_1)\delta(k_{on} - K - k_{o} - \kappa)$.

Oard 1/4

CIA-RDP86-00513R000614010002-7" **APPROVED FOR RELEASE: 09/17/2001**

s/056/62/043/004/022/061 8102/8180

Polarization effects ...

obtained; s and s, characterize the longitudinal polarization of the electron and neutrino spins, l=1 denotes right-hand and l=-1 left-hand circular polarization; k is the pion rest mass, $c \times k$, $(c \times k)$ and $k \times k$, $(k \times k)$ are termion (photon) energy and momentum, a and b are pion structural constants. After integrating with respect to photon and electron energies,

$$dW(\alpha, l, s) = \frac{Ak_{0n}^{2}d\Omega}{2^{10}\alpha^{4}} \left(1 - ss_{v}\right) \left(s_{v} - l\lambda\right)^{3} \left\{\alpha \left(45 - \frac{181}{2}\alpha + 48\alpha^{3} - \frac{87}{12}\alpha^{3}\right) + \left(1 - \alpha\right) \left(45 - 63\alpha + 24\alpha^{2} - 2\alpha^{3}\right) \ln\left(1 - \alpha\right) + ls\left[\alpha\left(25 - \frac{69}{2}\alpha + \frac{46}{3}\alpha^{2} - \frac{7}{12}\alpha^{3}\right) + (1 - \alpha)\left(25 - 27\alpha + 6\alpha^{2}\right)\ln\left(1 - \frac{1}{2}\right)\right\}\right\}$$
(4) and

summing over the electron and photon spin states

$$\frac{dW}{(\alpha)} = \frac{Ak_{0\pi}^3 d\Omega}{2^5 \alpha^8} \left\{ (1 + \lambda^2) \left[\alpha \left(45 - \frac{181}{2} \alpha + 48\alpha^8 - \frac{87}{12} \alpha^3 \right) + \right. \\
\left. + (1 - \alpha) \left(45 - 63 \alpha + 24 \alpha^8 - 2\alpha^3 \right) \ln (1 - \alpha) \right] + \\
+ 2\lambda \left[\alpha \left(25 - \frac{69}{2} \alpha + \frac{46}{3} \alpha^2 - \frac{7}{12} \alpha^3 \right) + (1 - \alpha) \left(25 - 27\alpha + 6\alpha^2 \right) \ln (1 - \alpha) \right] \right\}.$$

$$\frac{d\Omega}{d\Omega} = \sin \theta d\theta d\phi, \alpha = \sin^2 (\theta/2), \overline{A} = (eag_A k_{0\pi}/\pi \hbar c)^2.$$
Card $2/4$

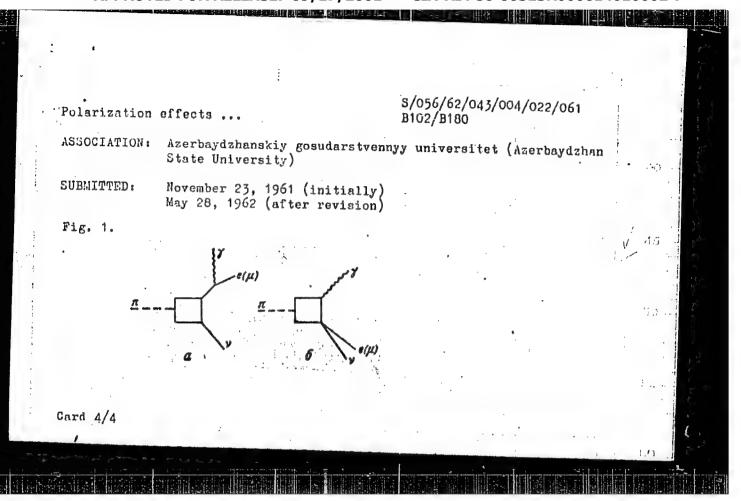
S/056/62/043/004/022/061 B102/B180

Polarization effects ...

is obtained, which holds for any A. For pion decay according to graph a, the whoton (electron) angular distribution is

the shoton (electron) angular distribution is
$$dW_{I}(\alpha, l, s) = \frac{A_{I}k_{0n}d\Omega}{2^{l}\alpha^{l}}(1 + ss_{*})\left\{\alpha + (1 - \alpha)\ln(1 - \alpha) + 2\alpha^{2}(1 - \alpha)\left(\ln\frac{1}{1 - y_{max}} - 1\right) + ls\left[\alpha(1 - 2\alpha) + (1 - \alpha)\ln(1 - \alpha)\right]\right\}. \tag{5}$$

From (4) and (5) it follows that for all weak interactions according to b, electrons and positrons are polarized in longitudinal opposite directions. For graph a in weak V, A interaction, the electron spin is parallel and the positron spin antiparallel to the momentum. With graph b and $\lambda = 1$ the photons from π and π decay can be polarized only parallel (π) or artiparallel (π) to the direction of motion. For $\chi = -1$ the inverse holds, and for $\chi \neq 1$ the photons are circularly polarized. These selection rules are verified by examining the energy spectrum of electrons (positrons) and the angular distribution of photons (electrons). Only these spectra (and not, e. g., the photon energy spectrum and the e-polarization signs) yield information about the predominance of V-A or V+A variants: In V+A interaction, the photons from π^+ decay are emitted at angles around $\theta = \pi$, in V-A interaction around $\theta = 0$. There are 3 figures.



3/058/63/000/001/041/120

AUTHORS:

Gadzhiyev, S. A., Atakishiyev, N. M.

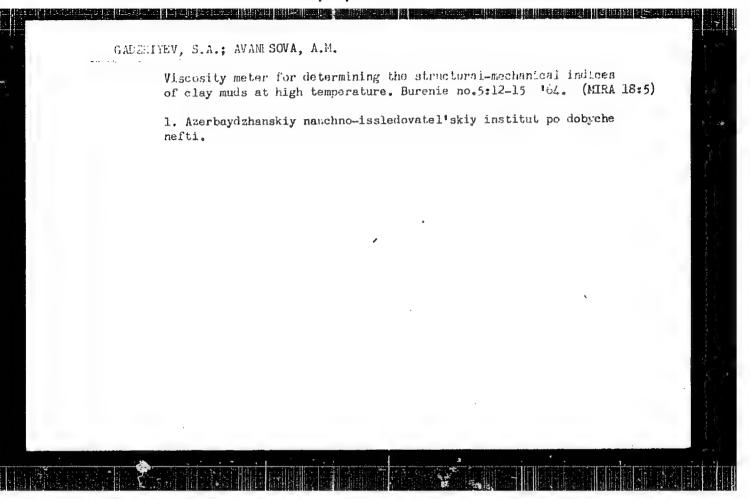
TITLE:

Electron polarisation in $\Pi^{+} \rightarrow \Pi^{0} + e^{+} + v$ decay

PERIODICAL: Referativny shurnal, Fizika, no. 1, 1963, 3, abstract 18243 ("Uch. sap. Azerb. un-t. Ser. fis.-matem. 1 khim. n.", 1961, no. 3, 81 - 85)

TRUT: The longitudinal polarisation of decay electrons is calculated in the $\Pi^+ \to \Pi^0 + e^- + v$ decay for the case of V-A interaction; corresponding formulae and diagrams are given. The polarization degree Pe strongly depends on the energy at angles θ between electron-neutrino momenta in the range $90-175^\circ$; for $0^{\circ} \le \theta \le 45^{\circ}$ and $\theta \approx 180^{\circ}$, P_{θ} is approximately equal to +1, respectively, independently of the energy. Also expressions and curves for the electron energy spectrum are obtained. The authors conclude that the decay takes place mainly with an emission of positrons (electrons) with a right-hand (left-hand) polarization. The dependence Pe on the electron energy x, as found by the authors, gives evidence of the increase in the fraction of longitudinally polarised eletrons with the increase of x. Abstracter's note: Complete translation]

Card 1/1



GADZHIYEV, S.A.; VORONOV, A.A.; SAZONOV, A.M.

Atrial eptal defects; diagnosis and surgical treatment. Khirurgila no.10:8-53 *64. (MIRA 18:8)

1. Kafedra grudnoy khirurgii i anesteziologii (22*. - prof. S.A. Gadzhiyev), Leningrad.

GADZHIYEV, S.A., prof. (Leningrad, M-70, ul. Frunze, G.L., kv.5);
VANEVSKIY, V.L.; DOGEL', L.V.; TOLSTOV, G.7.

Immediate and late results of surgical treatment of myasthenia.
Grud. khir. 6 no.6:80-86 N-D '64.

1. Kafedra grudnoy khirurgii i anesteziologii (zav. - prof. S.A. Gadzhiyev) i kafedra nervnykh bolezney (zav. - prof. V.V. Semenova-Tyan'shanskaya) Leningradskogo instituta usovershenst-vovaniya vrachey imeni S.M. Kirova.

GADZHIYEV, S.A., prof.; VASIL'YEV, V.N.

Esophageal diverticula and their surgical treatment. Vest. khir. 93
no.8:41-46 Ag '54.

(MIRA 18:7)

1. Iz kafedry grudnoy khirurgii i anestesiologii (sav. - prof.
S.A.Jadshiyev) Leningradskogo ordena Lenina instituta usovershenstvovaniya vrachey imeni Kirova.

ABRAMOV, Sh.I., prof.; BAIROV, G.A., prof.; BLINOV, R.I., Prof.;

GADZHIYEV, S.A., prof.; CODUROV, S.F., prof.; AZZAKOV,
G.A., prof.; DEMIN, V.N., prof.; ZVORYKIN, I.A., Prof.;

KAPITSA, L.M., kand. med. nauk; MOKROVSKAYA, S.P., and.

med. nauk; POSTNIKOV, B.N., prof.; PORKSHEYAN, O.Zh.,

prof.; SIDORENKO, L.N., kand. med. nauk; TALYMAN, I.M.,

prof.; FEDOROVA, A.D., kand. med. nauk; FILATOV, A.Y.,

prof.; KHROMOV, B.M., prof.; SARKISOV, M.A., red.

[Errors, hazards and complications in surgery] Oshicka,

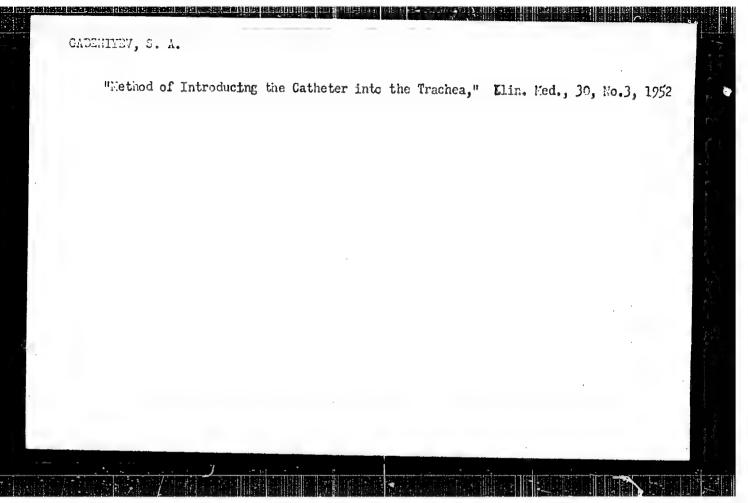
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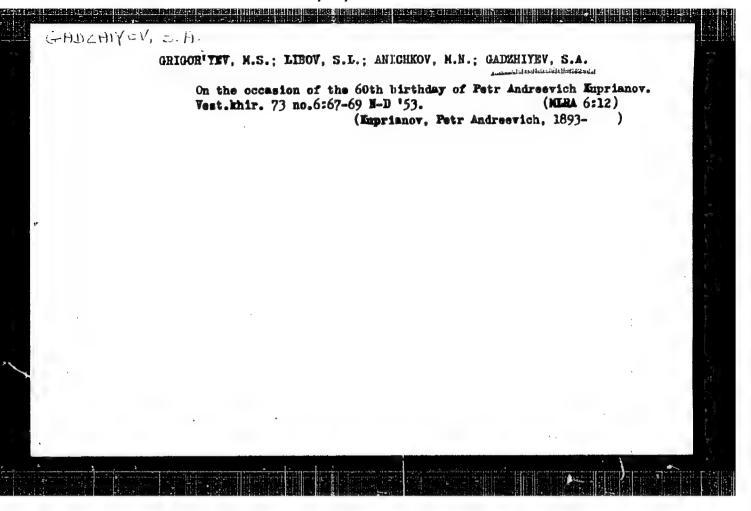
Leningradskogo Cosudarntvennogo instituta dlya usovershenstvovaniyu vruchey iment Kirova.



GADENITEV, S.A., kandidat meditsinskikh nauk.

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GADZHIYEV, S.A., kandidat meditsinskikh nauk.

Impaired passage through the esophagus caused by chronic mediastinitis.

Khirurgiia no.10:75-77 0 '55. (MIRA 9:2)

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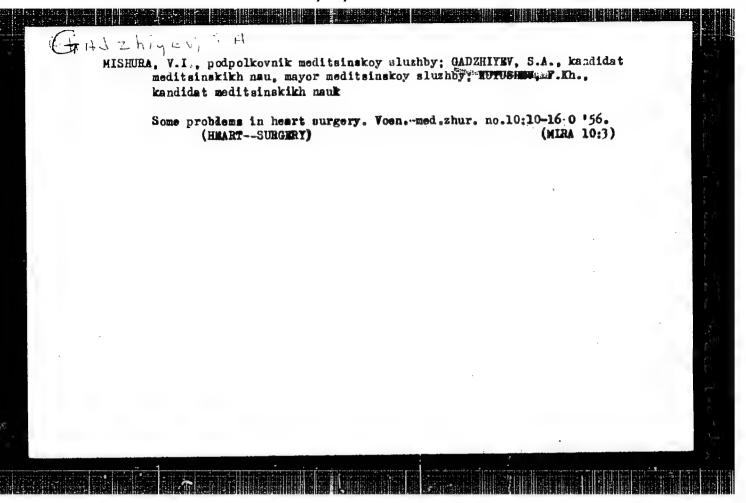
(ESOPHACUS, dis.

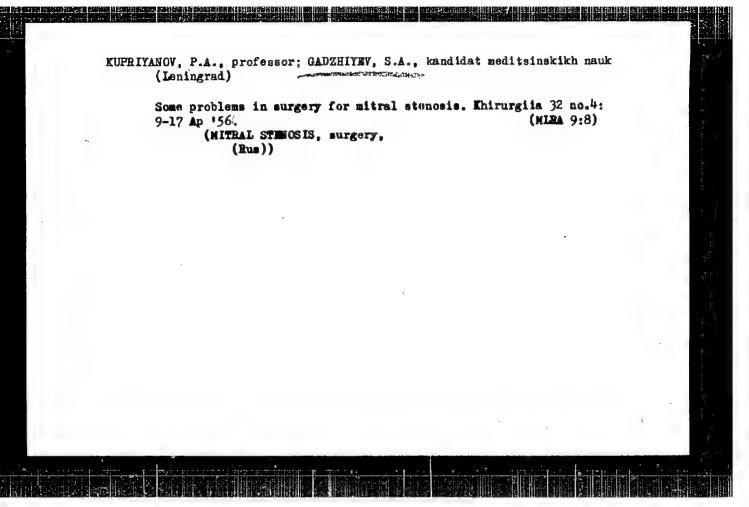
impaired passability caused by mediastinitis, clin.

aspects & prev.)

(MEDIASTINITIS, compl.

impaired passability of esophagus, clin. aspects & prev.)



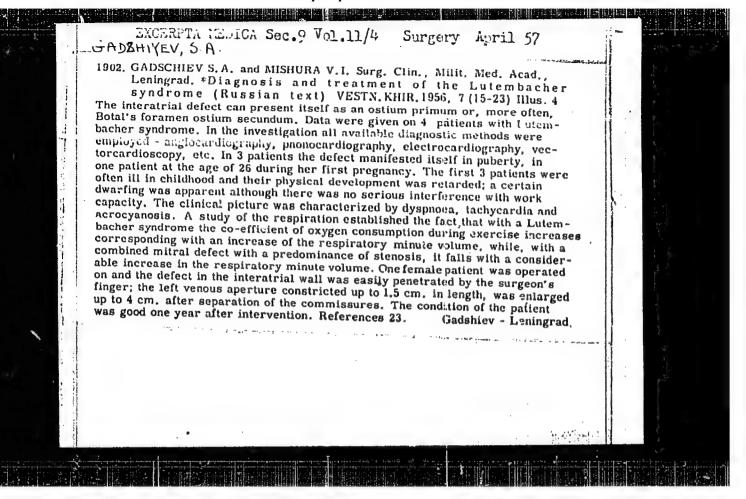


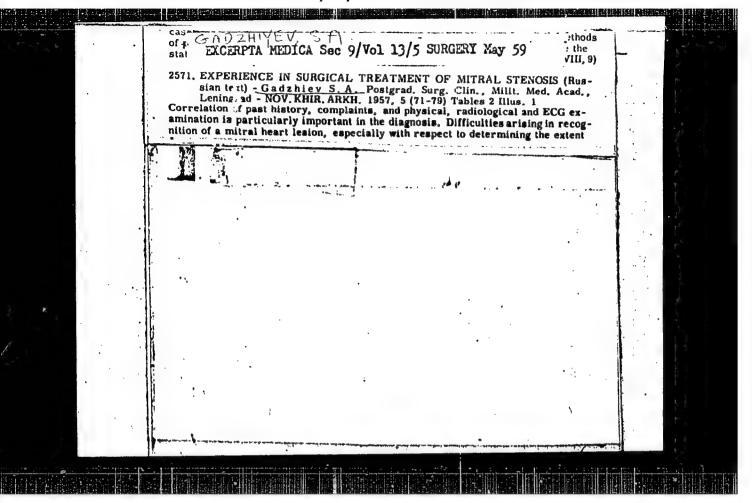
GADZHIYEV, S.A., kandidat meditainskikh nauk (Leningrad, V.O., 1-ya liniya, d.18. kw. 32); MISHURA, V.I.

Diagnosis and treatment of Lutembacher's syndrome [with summary in English, p.157] Vest.khir. 77 no.7:15-23 Jl '56. (MLRA 9:10)

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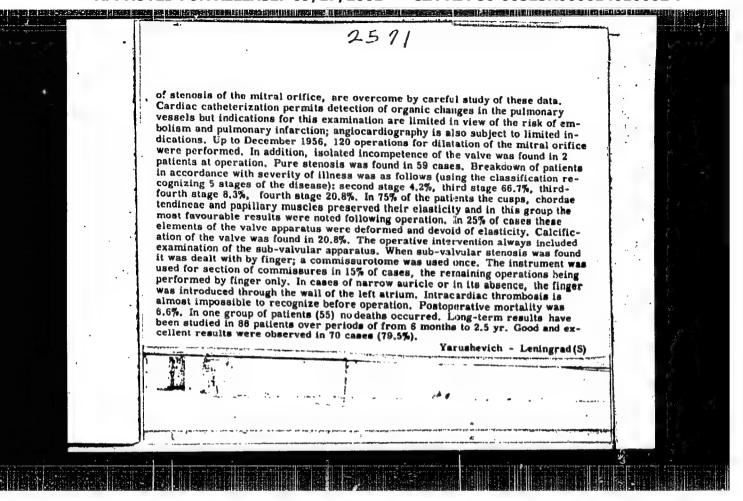
(CAMDIOVASCULAR DEFECTS, CONGENITAL, diag. & surg.)





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GADZHIYEV, S.A., kandidat meditainskikh nauk

lectetion in acute mestitis. Pediatriia no.6:31-34 Je 157.

(MIRA 10:10)

1. Iz fakul'tetskoy khirurgicheskoy kliniki I Lecingradekogo meditainskogo instituta imeni akad. I.P.Pavlova (zav. - deystvitel'nyy chlen AMN SSSR A.V.Mel'nikov)

(LACTATION) (BREAST--DISPASES)

SOROKIN, P.A.; MITROPOL'SKIY, A.N.; GADZH IYEV, S.A.; BLESTKINA, T.G.

Changes in certain indexes of cardiovascular function in mitral stenosis following commissurotomy. Terap. arkh. 29 no.8:3-9
'57.

1. Iz kliniki fakul'tetskoy teravii (nach.-prof. B.A.Beyyer) i iz kliniki khirurgii diya usovershenstvovaniya vrachey (nach.-prof. P.A. Kupriyanov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

(COM: ISSUROTOMY, poston.- cardiovasc. funct. (Rus)

KUPRIVANOV, P.A., professor; GADZHIYEV, S.A., kandidat meditsinshikh nauk;
BLESTKINA, T.G.

Should slowly developing rheumatic heart disease be considered a contraindication for mitral commissurotomy? [with summary in English]
Khirurgita 33 no.5:26-32 My '57.

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Auricular fibrillation after mitral commissuratomy [with summary in English]. Knirurgita 33 no.8:56-53 Ag '57. (NIRA 11:4)

1. Is knirurgitheskoy kliniki usovershenstvovaniya vrachey (nachdeystvitel'nyy chlen AMS SSR prof. P.A. Kupriyanov) Voyennomeditsinskoy ordena Lenina akademii im. S.M. Kirova. (COMMISSUROYOMT, compl. auric. flutter after mitral commissurotomy)

(AURICULAR FLINTER, etiol. and pathogen. mitral commissurotomy)

UVAROV, B.S., SHANIN, Yu.B., kand.med.nauk, GADZHIYEV, S.A., kand.med.nauk

Anesthesia in mitral commissurotomy [with summary in English].

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(nach. - destvitel'nyy chlen AMN SSSR prof. P.A. Kupriyanov)

Voyenno-medditsinskoy ordena Lenina Akademii imeni S.M. Kirova.

(COMMISSUROTOMY, anesthesia & analgemia.

in mitral stenosis, method (Rus))

(ANESPHESIA,

in commissuroty for mitral stenosis, method (Rus))

SOROKIN, P.A., dots. SADERIYEV, S.A., kand.med.nauk; MITROPOL'SKIY, A.N., kand.med.nauk (Leningrad)

Some problems in the diagnosis of mitral stenosis in connection with its surgical treatment. Elin.mei. 36 nc.1:60-67 Ja '58. (MIRA 11:3)

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(MITRAL STEMOSIS, dieg.

problems in evaluation for surg. (Rus)

IZBINSKIY, A.L., kand.med.nauk (Leningrad, D-25, ul. Marata, d.10, kv.6)

__GADZHIYFV, S.A., kand.med.nauk, SHAMARINA, T.N., kand.med.nauk.

Standardization of technics in investigating externatl respiration and in cardiac catheterization in mitral stenosis [with summary in English] Vest.khir. 81 no.7:47-57 J1 58 (MIRA 11:8)

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(MITRAL STENOSIS, diag.
extornal resp. impairment & cardiac catheterization, correlation of data (Rus))
(MESPIRATION, function tests,
in mital stenosis (Rus))
(CATHETERIZATION, CARDIAC, in var.dis.
mitral stenosis (Rus))

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